

ASBESTOS



JANUARY 1952

**NEW
IDEAS**

ABOUT ASBESTOS

Important product improvements usually come from research men. At R/M, for instance, you'll find continuous research going on in four different laboratories — one at each of four plants. As a result, you'll find at R/M a continuous flow of new ideas about asbestos and its uses.

RAYBESTOS-MANHATTAN, INC.

Asbestos Textile Division • Manheim, Pa.

Factories: Manheim, Pa.; No. Charleston, S.C.



RAYBESTOS-MANHATTAN, INC., Manufacturers of Asbestos Textiles
Packings • Mechanical Rubber Products • Abrasive and Diamond Wheels
Brake Linings • Brake Blocks • Clutch Facings • Fan Belts • Radiator Hose
Rubber Covered Equipment • Powdered Metal Products • Bowling Balls

"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE

BY SECRETARIAL SERVICE
808 WESTERN SAVING FUND BLDG.
S. E. COR. BROAD & CHESTNUT STS.
PHILADELPHIA, 7, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*

A. S. ROSSITER, *Editor*

E. E. COX, *Circulation Manager*

*Entered As Second Class Matter November 23, 1923, at the Post
Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879*

Volume 33

JANUARY 1952

Number 7

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ASBESTOS is indexed regularly by Engineering Index, Inc.

SUBSCRIPTION PRICE

| | | |
|--------------------------|-------------------|-------------------------------------|
| United States | - - - - - | \$2.00 Per Year |
| Canada | - \$3.00 Per Year | Foreign Countries - \$3.00 Per Year |
| Back Copies | - .35 Each | Single Copies - (Current) .25 Each |
| (Payable in U. S. Funds) | | |

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"ASBESTOS" — January 1952

Page 1

WELCOME 1952

The dawn of a new year, with all its opportunities, its joys, its sorrows, its responsibilities, is before us.

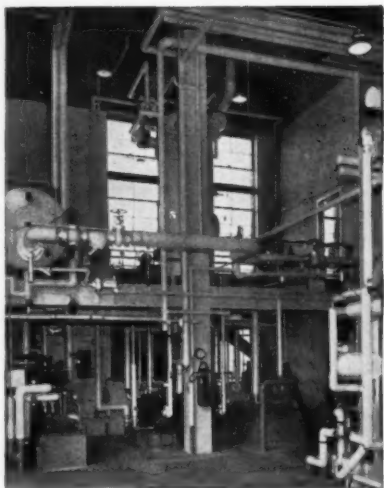
This is the age of miracles; mechanically, what new invention for the benefit of mankind will be made? will add to the wonders already performed? Of medicine; what new discovery will cure, cancer for instance? or add to the safety of those who undergo surgery? of electronics? of deadly weapons? of all kinds, for good or evil?

Will some superman arise who will wisely guide us to peace with other nations, who will determine our destiny? A million things may happen in 1952 which will help or harm us.

It is with hope that we begin this new year — hope for a prosperous and happy year for all — our friends, our associates in this small but important industry and ourselves. And so we pass on the wish for a **HAPPY AND PROSPEROUS NEW YEAR!**

THE COVER

The picture on our cover for the first half of 1952 is an aerial view of Johns-Manville's Munro Mine near Matheson, Ontario. The five buildings shown are constructed of steel and concrete with Johns-Manville Corrugated Transite asbestos-cement sheets used for roofing and sidewalls. The large building to the left is the Mill Building, which is five stories high and covers an area of 50 by 240 feet. Directly behind this is the Crusher Building, which is 50 feet square and rises to a height of 90 feet. To the right of these two buildings is the combined Machine Shop, Storeroom and Garage, a one story building, 100 by 240 feet. In the foreground is the Office Building and Change House covering an area of 40 by 100 feet, with offices on the second floor and employee lockers, first-aid equipment and other facilities on the ground floor. To the right of this is a garage for heavy equipment. The open pit mine site is located in the right background.



For more than
60 years the most
efficient and
practical insulation
up to 600° F.—
"FEATHERWEIGHT"
85% MAGNESIA

A PROFITABLE INVESTMENT FOR—

THE USER, because it maintains a high insulating value, no matter how long in service.

THE CONTRACTOR, because it is easily handled and installed.

THE DISTRIBUTOR, because it has wide acceptance and is sold on its merits.

"Featherweight" 85% Magnesia is foremost in a complete line of insulations designed for various kinds and conditions of service.

*Nature made
Asbestos...*

*Keasbey & Mattison has made
it serve mankind since 1873*



KEASBEY & MATTISON
COMPANY • AMBLER • PENNSYLVANIA

GREETINGS TO THE ASBESTOS INDUSTRY

Editor's Note: Executives in the Industry have responded with enthusiasm to our suggestion to send Greetings and this year we have asked them to tell us what they think was the most important development in the Asbestos Industry during 1951. You will enjoy the various views expressed. We, of course, assume no responsibility for the statements made; the Greetings are simply quoted as received.

Ernest Muehleck, President, Keasbey & Mattison Company

Thru the courtesy of "ASBESTOS" and on behalf of everyone at K. & M., we send hearty greetings and best wishes to all for 1952.

As we enter the uncertain dawn of another New Year our hope is that humanity may be united in the bonds of friendship, that we make new friends and also keep our friends from forgetting.

A. R. Fisher, President, Johns-Manville Corporation

We enter 1952 with a continuing heavy demand for asbestos fibre and for asbestos products. The shortage of many types of asbestos fibre, particularly critical since World War II, continues.

Our industry faces great responsibilities in the future since Canada and the United States are the principal sources of asbestos fibre and asbestos products for the free nations of the world.

In the production of asbestos fibre Johns-Manville, together with other world producers, has expanded its facilities to increase the supply of fibre.

With other fabricators, Johns-Manville's plants are producing asbestos products at a high level to supply civilian needs and to meet the vital defense requirements of Canada, the United States and our allies.

A modernization and replacement program at the Jeffrey Mine in Quebec and capacity operations at the new Munro Mine in Ontario, will enable Johns-Manville to continue high level production of asbestos fibre, thus meeting its share of the demand for this important raw material.

We are happy to take this means of greeting all our friends and associates in the Asbestos Industry and extending our best wishes for a productive year ahead.

ASBESTOS FIBERS

from the largest mines in the U. S.

VERMONT ASBESTOS MINES

at **LOWELL, VT.**



**Executive Offices: 500 Fifth Avenue,
New York 18, New York**

The RUBEROID Co.

ASPHALT AND ASBESTOS BUILDING MATERIALS

Herbert Abraham, President, The Ruberoid Company

Among the highlights of progress made by the asbestos industry in 1951 was, I think, a success achieved, thru research, in enhancing the appearance and thus stimulating demand for that increasingly important item in the building materials field—asbestos-cement siding.

As a result of this development, there has been added to the many other advantages of asbestos siding, the ability to meet the mounting popular demand for truly tasteful color styling of the exterior walls as well as the interiors of homes.

From the point of view of the present unsettled conditions in all business, it is my idea that what will be principally required to maintain and strengthen activity in the asbestos industry in 1952 will be a lot of real “shirt-sleeve selling.”

It is a pleasure to note the continued pleasant relations existing among the members of our industry. To all of them I extend every good wish for the New Year.

J. F. Rohrbach, President, Raybestos-Manhattan, Inc.

Raybestos-Manhattan, Inc. extends sincerest greetings to all. We realize that in 1952 we shall have additional problems facing us due to the continuing shortage of basic raw materials, especially asbestos, increased costs and the high burden of taxes, but at this season of the year we can be thankful that we live in America and enjoy all of its opportunities and blessings.

We look forward to the days of Peace on Earth to All Men of Good Will.

I. J. Harvey, Jr., President, The Flintkote Company

We all join together in extending to your publication Best Wishes for the next year.

The increased acceptance, by both the building industry and the public, of asbestos containing materials for new residential construction continues to be one of the most important developments in the asbestos Industry. It is a trend that should be vigorously encouraged by the Industry as a whole because of its immense importance to all organizations interested in the promotion of asbestos containing products.

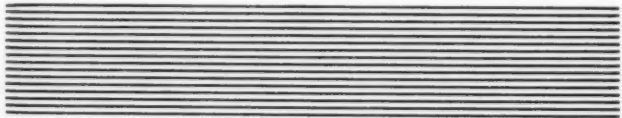


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OUR NEW CATALOG**

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UNION ASBESTOS & RUBBER COMPANY

Dep't A—332 South Michigan Avenue—Chicago 4, Illinois



A. L. Penhale, President & Managing Director, Asbestos Corporation Limited

"Asbestos Corporation Limited welcomes this opportunity to extend its greetings and best wishes to the readers of your magazine for 1952.

We, in the asbestos mining industry, leave 1951 with a certain sense of accomplishment. For, tho we have been unable to supply all the fibre required by the Industry particularly in the longer grades for which there has been such a need, we have achieved a considerable increase in the overall tonnage produced.

The year 1952 will find work under way on the further expansion and improvement of existing mining facilities by many producers. The full effect of this increased capacity will not be felt of course, for some time, but in the meantime every effort will be made to provide as much fibre as we possibly can and distribute it in a fair and equitable basis.

H. E. Humphreys, Jr., President, United States Rubber Company:

We are pleased to have the opportunity of extending once again the Season's Greetings to "ASBESTOS" and its many readers.

The crisis which our nation faced at this time last year has not lessened. The continuing menace of Communism thruout the world is if anything more clearly defined. We must continue to exert every effort to keep our nation strong, to provide our armed forces with equipment, to satisfy the needs of civilians and protect the buying power of the dollar.

Our Company plays a very minor role in the Asbestos Industry, but I know that the men and women of the Asbestos Industry, as well as those in other industries, must do their part by working better,—building quality into everything they make, supporting the defense effort and continuing the fight for good government by honest and capable officials.

I want to express my sincere greetings to all of your readers, and hope that we can all work together for our mutual welfare in the coming year.



Wet volume determination—one of the many tests to assure the high quality of J-M short fibres.

These **ASBESTOS** "Shorts and Floats" bring improvements and savings to many products

Johns-Manville's improved processing methods eliminate much undesirable material normally found in asbestos shorts. This processing advantage makes the less expensive short fibres a source of product and production benefits. Among these are: improved appearance, greater strength, broader coverage . . . increased resistance to heat, abrasion, impact, cracking and crazing . . . better viscosity control, reduced

settling . . . and in plastics, faster moulding with less distortion in drying.

These benefits make J-M asbestos "shorts" and "floats" standard ingredients in paints, plastics, asphalt floor tile, greases, welding rods, auto underbody coatings and a growing list of other products.

For detailed information, including grade recommendations, write for Brochure AFD-4A.



ASBESTOS FIBRE DIVISION **Canadian Johns-Manville Limited**

814 Sun Life Bldg.

(Telephone: UN-6-9701)

Montreal, P. Q., Canada

Clifford F. Favrot, President, Asbestone Corporation

It is remebered that most members of the Asbestos Industry entered 1951 with dire misgivings as to the direction in which we were headed ; yet, as we come to the close of the year, we find that it has been very satisfactory from a volume standpoint.

From all indications it seems at though 1952 should be as good a year as the one we have just completed, and for that reason, we enter the new year with high hopes and the thought that our Industry, through the cooperation of its various members, can meet any situation that might arise.

We would like to take this opportunity of wishing all of our friends in the Asbestos Industry a Very Prosperous New Year.

Fred Schluter, President, Thermoid Company

Thermoid ends the year 1951 with sales approximating \$40,000,000—which could have been \$45,000,000 if we had had sufficient asbestos for the requirements of Southern Asbestos—Asbestos Mfg. Company—Fibre & Metals Company and Thermoid Company.

We may be singular in this expression, but we do not think that 1952 will carry the same level of activity for companies similarly situated. The outlook on spinnable fibres is well known as a very difficult one. While military expenditures may hold business at a fairly high level, there have been many signs of weakening consumer demand which may be sustained thru 1952, in spite of efforts by the present Administration to stimulate the situation due to it being an election year.

Thru your good magazine we are glad to express our appreciation to our sources of supply, and to our customers for the business enjoyed in 1951 and we will do our best to make 1952 a good year.

H. F. McFarland, Jr., President, Smith Asbestos Company

As we usher in the year-end holidays again, we recall with gratitude the loyal friendships and cordial relations enjoyed in the year just closing. We are grateful, too, for this opportunity to express our sincere appreciation to you as we extend to all our friends Season's Greetings.

ASBESTONE

CORPORATION

**Manufacturers
Asbestos-Cement
Building Products**



**CORRUGATED SHEETS
FLAT SHEETS
ROOFING SHINGLES
SIDING SHINGLES**



***Factory and Sales Office*
5300 TCHOUPITOULAS STREET
NEW ORLEANS 15, LA.**

Giles Newton, Managing Director, Cape Asbestos Company, Limited

I particularly welcome this opportunity to send New Year Greetings to readers of "ASBESTOS" because we feel that it is a sign of the healthy state of the Asbestos Industry that we can, amidst the oppressive yet inevitable clouds of re-armament, still recognize the ties of friendship existing amongst all members.

The greetings sent by the leaders of the Industry in January 1951, make instructive reading today. The International situation is still as acute, but we can all take heart from the fact that as the great wheels of production turn, so security is brought nearer. In Britain we are sure that the part being played by Asbestos Manufacturers is considerable and in many respects vital.

The continued emphasis on the need for Asbestos in ever-widening spheres has meant that demand has exceeded supply in all fields from Mines to Factories. We shall certainly strive ourselves to make our maximum contribution to the good of the industry. It is only some of the products, so necessary today, into which our raw material goes, that we would like to see changed into the commodities of peace.

I send our best wishes for 1952 to our friends at home and overseas.

A. A. Lofquist, President, Norristown Magnesia & Asbestos Co.

It is with sincere pleasure that the Norristown Magnesia and Asbestos Company extend New Year's Greetings to all friends in the Asbestos Industry.

As to 1952, we are of the opinion that, on the whole, business will be good measured in terms of total production. Emergency and deficit spending tend to prolong the present prosperity boom. However, production has started to catch up with demand in many directions and if this trend broadens we will find set up a critical situation in our economic balance that can result in more difficult conditions late in the year.

To the Editor of "ASBESTOS", our thanks and compliments for covering so well the activities of the Asbestos Industry in 1951.



HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

**1000 Maple Avenue
Lansdale, Penna.**

Norman C. Naylor, President, Union Asbestos & Rubber Co.

Probably the most important development in the asbestos industry, as well as all other industries, during 1951 was the return of government controls over our economy.

We at Unarco are confident however that our industry will acquit itself well and take in its stride the problems which we will face during 1952.

Our sincere wishes for a Happy and Prosperous year go to each and every one of our associates and friends in the Asbestos Industry.

R. H. Chase, Sales Manager, Insulation Division, Pabco Products, Inc.

Your usual courteous seasonal invitation this year requests an expression on two important questions.

Many broad factors directly or indirectly affect the asbestos industry. The welfare of our country has been and is being challenged; therefore, I feel that I can express a more fundamental opinion if permitted to rephrase your questions as follows: "What, in your opinion, was the most important development in this country in 1951?", and, "What should be done in 1952 toward continuing that progress?"

In my opinion, the most important development in 1951 has been an upsurge of moral consciousness in the American people, including the determination to stamp out mental and material dishonesty in all its vicious forms.

That determination is broadly and specifically evident in connection with revelations of dishonesty in government at all levels to and including our government at Washington, D. C.

For 1952, that moral consciousness should be fanned into even greater determination, effort and accomplishment. We will all have the opportunity of expressing our convictions at the polls during the coming year. That expression, in my opinion, will be the determining factor as to whether progress is going to continue. If it does, the bright future of the American people and industry which has, to some extent, been tarnished, will be revived and go forward to its glorious potential.

That, as a fundamental thought and hope, is what

JOHNSON'S COMPANY LTD.

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q. Canada

Mines

Thetford Mines, Quebec

Black Lake, Quebec



Producers of All Grades of

RAW ASBESTOS



REPRESENTATIVES

| | |
|----------------------|--|
| GREAT BRITAIN | A. A. BRAZIER & CO. "Avenue Lodge" 65a Bounds Green Road, LONDON, N. 22, England. |
| CHICAGO 4, ILL. | GRANT WILSON, INC. 141 West Jackson Boulevard |
| NEW YORK, N. Y. | CONNELL ASBESTOS MFG. CO. 117 Martense Street, Brooklyn 26, New York |

can and should be done. Thus, thru a revitalization of the moral factors in this country will come continued prosperity and success in the asbestos industry.

May I again take this opportunity of expressing to my many friends and associates in the asbestos industry my warmest personal greetings and best wishes for A Merry Christmas and A Very Happy and Prosperous New Year.

Philip A. Meyer, President, Nicolet Asbestos Mines, Ltd.

To "ASBESTOS" and our many friends in the Asbestos Industry may we extend our Best Wishes for the New Year. Although serious problems face our industry and business in general, we believe the Asbestos Industry will move ahead in 1952 in spite of these obstacles.

Large sums of money are being spent by asbestos fibre producers in looking for new mines. More capital is being expended for the construction of new asbestos mills. All this is being done to meet the expanding demand for asbestos. These important expenditures are surely a vote of confidence in the future.

IDEAS ON THE MARKET SITUATION

*Guest Editorial from Matthew J. Fitzgerald**

With the beginning of the New Year beset with many domestic and international problems, both economic and political, it is becoming more confusing every day to look forward with any degree of confidence in any concrete or definite reasoned plan or thought. Unless something entirely unforeseen develops business will be maintained at a fair level during 1952 as a result of the large government defense expenditures, but the latter part of 1951 showed a distinct softening and this will continue to be felt during the first half of 1952.

However, even with the daily increasing government curbs and controls of business and finance and increased taxes and the tightening of credit restrictions, I believe the American businessman is so constituted as to be able to "roll with the punch" as it were, as conditions arise—as has been well proven by past experience.

*President, Standard Asbestos Mfg. Co., Chicago, Ill.

ASBESTOS

ASBESTOS

CORPORATION

LIMITED

THETFORD MINES

QUEBEC

CANADA

REPRESENTATIVES

GREAT BRITAIN:

W. A. JANITCH,
37/38 Coal Exchange Building
Lower Thames St., London, E. C. 3

U. S. A.:

BALTIMORE, MD.:

WALLACE & GALE CO.,
115 South Gay St.

CLEVELAND, OHIO:

WORLD'S PRODUCTS TRADING CO.,
842 Standard Bldg.

CHICAGO, ILL.:

THE STARKIE COMPANY
5461 W. Division St.

NEW YORK, N. Y.:

WHITTAKER, CLARK & DANIELS, INC.,
260 West Broadway

SAN FRANCISCO, CAL.:

L. H. BUTCHER CO.,
15th and Vermont Sts.

CANADA:

MONTREAL, QUE.:

ATLAS ASBESTOS CO., LTD.
5600 Hochelaga St.

TORONTO 1, ONT.

CANADIAN ASBESTOS ONTARIO LTD.
27 Front St., East

FI-ACS

A New Insulating Siding

A new siding not as yet on the market is called FI-ACS. The inventors of this siding are John A. Scharwath of Montclair, N. J. and his son Herman.

Mr. Scharwath has been granted patents for the apparatus to be used in the manufacture of FI-ACS and has a patent pending on the siding itself.

Readers will remember Mr. Scharwath as the General Manager of National Asbestos Manufacturing Company of Jersey City, N. J., which in 1936 was acquired by United States Gypsum Company.

The new siding, according to the inventors, has the following improvements:

Surfaces (facing) can not catch on fire.

Actually simulates the real appearance of brick or stone.

Simulates the genuine shape of clap-board, shake and other types of taper wall material.

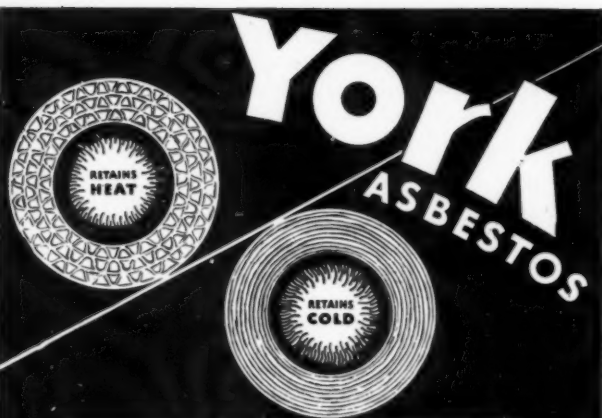
Its insulating and fuel saving property is existent in the composition facing as well as in the fibre board base.

FI-ACS has the same 1/2" thick asphalt vapor sealed fibre board base common to other slate surface sidings. However, instead of a slate surface it comprises a hydraulic cement bonded body of Vermiculite or Perlite, on which is integrally superimposed a surface layer of 3/16" thickness of asbestos fibre and cement composition. The latter is the same in composition as asbestos-cement siding shingles but is not compressed so densely.

In addition to brick and stone simulation for the residing market, FI-ACS can be produced in 3/8" thick butt shakes, and 1/2" and 3/4" thick butt clapboard, which makes it a harmonious product for the architecture of a frame house in new low cost housing developments.

For the better class house FI-ACS clapboard is made with a 3/4" thick butt facing on a 25/32" fibre board base, and is the same thickness and weight as the conventional wood sheathing and wood clapboard wall.

The siding can be supplied in buff or red color for



YORK DOUBLE LAYER MATERIAL

FAST, EASY, ECONOMICAL TO APPLY

PERFORMS MORE EFFICIENTLY BECAUSE:

- Inner section is hinged
- Outer layer fits over inner or combination of inner layers automatically. Not necessary to peel laminations from inside of outer layer
- Uniform in thickness
- Full thickness
- Smooth, white asbestos finish

WRITE FOR ILLUSTRATED CATALOGUE SHEET

YORK INSULATION CO., Inc.

HILLSIDE, NEW JERSEY, U. S. A.

Manufacturers of the Quality Line in

- AIR CELL PIPE COVERING, SHEETS & BLOCKS, BOILER JACKETS ● FROST-PROOF PIPE COVERING ● WOOL FELT PIPE COVERING ● ANTI-SWEAT PIPE COVERING

brick, and in natural color for stone, with gray or any other color mortar lines and in white for shakes and clap-board. The panels are 16-5/8" wide by 48" long.

The material is applied the same as slate surface siding and comes equipped with corners and combination panels, with indicated nailing locations.

"SINDANYO"

A further report to our question in the November 1951 number, page 54, regarding "Sindanyo" has been received from Turners Asbestos Cement Co., Ltd. of Manchester, England.

"This Company, which is a member of the Turner & Newall Ltd., Group, includes among its many products two types of asbestos cement boards which are marketed under the registered trade name "Sindanyo". One type of board, light gray in color is designated, "Natural Grade", and the other type which is bitumen impregnated and black in color, is designated, "Ebony Grade". The boards are manufactured to comply with the requirements of British Standard Specification No. 737/1937 for "Non-Ignitable and Self-Extinguishing Boards", and they have for many years enjoyed the approval of such bodies as Lloyds Register of Shipping and both British and Foreign Government Departments.

"The chief field of application of "Sindanyo" Boards is in the electrical and allied manufacturing industries where the "Natural Grade" material is employed in the construction of contactor arc shields, H. F. furnaces and similar purposes where resistance to electric arcs and heat are required. The "Ebony Grade" material is utilized as panels for the mounting of electrical apparatus and where electrical insulating properties of a high order are needed."

We have just received a sample of very *white* asbestos fibre which is described by the sender as No. 4 filter fibre. If any of our readers are interested we shall be glad to supply them with the name, address and other details.

PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

Fiberized Asbestos

The World's Finest Fibre



DRAWER 71

GLOBE, ARIZONA

Mines and Mills in Gila Co., Arizona

MARKET CONDITIONS

GENERAL BUSINESS.

Much tension has been relieved at least temporarily, by the ending of the steel strike deadlock. While the general level of industrial activity continues high there are, and no doubt will continue to be, numerous unsettling factors at work which make for uncertainty on the part of business, labor and government alike. The proposed further cut in automobile production could have very serious effects on that industry, its labor and its suppliers. Retooling and getting started on defense production has been disappointingly slow and the end is nowhere in sight. Until that job is completed we may reasonably expect recurring dislocations in many areas and industries. The extent to which such dislocations will injure the general economy can be minimized only by the most careful, intelligent planning of the changeovers.

ASBESTOS — RAW MATERIAL.

Probably the most important bit of news is that there was an announcement on January 7th that Asbestos fibre prices are being increased by approximately 15% in the upper grades and 10% on shorts.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. The present market is strong with the greatest demand for asbestos cloths of all types. Large quantities of asbestos textiles are required for equipment being produced under the defense program and it is believed that the currently experienced heavy demand will continue thru 1952.

Brake Lining. This market has held up remarkably well and should wind up the year about 40% ahead of 1950 in the replacement market. The outlook is encouraging for continued large volume replacement, equipment should be better than anticipated. Price is an important factor in bus and truck field where a price war is practically in effect.

Asbestos Paper. There seems to be no change in demand which is now well below production capacity. Most manufacturers are able to make prompt shipment of orders.

Rehandlers and equipment manufacturers continue to carry low inventories. Business in 1952 is expected to be below 1951 level. *Saturated Paper* — At the present time the production of asbestos felt exceeds the demands. This is brought about more or less due to weather conditions. It is believed the production will probably exceed the demand for at least the first three months of 1952, but there is every reason to believe that the demand will increase after the first quarter.

Asbestos Millboard. The market in 1952 will probably be below the 1951 level and demand at present is not up to production capacity.

Insulation. High Pressure. Calls have been low during the past thirty days which necessitated some curtailment in production but it is believed this condition is temporary. The year 1952 will be at least equal to 1951 which has been good. Applied work highly competitive is going at extremely low prices. With the heavy defense program still ahead of us, it is logical to assume that a good demand for all types of high pressure insulation will exist during the coming year.

Insulation. Low Pressure. Buying continues at a lower level than customary for this time of year. The declining demand should be reversed shortly as rehandler inventories are replenished. The volume in 1952 will be slightly under 1951.

Asbestos Cement Products. Buying will be slow during the winter months. Dealers and distributors will not stock as heavy this winter as last, but look for good spring demand. The outlook for 1952 is expected to be higher than 1951 since many military construction contracts are now being awarded.

The demand for corrugated still exceeds the ability to produce and there is a considerable backlog of orders extending into 1952. The total production of corrugated will probably be sold without much effort for at least the first four months of 1952.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

... —

Wisdom is knowing what to do next.

PRODUCTION STATISTICS

Canada

In the preliminary estimate published by the Dominion Bureau of Statistics, Ottawa, the production of asbestos during 1951 is given as 967,375 tons, valued at \$78,792,067, compared with a production in 1950 of 875,344 tons valued at \$65,854,568.

(Department of Mines, Province of Quebec)

Tons—2000 lbs.

Production for October 1951 80,509 tons

Compared with September 1950 94,286 tons

Dominion Production for October 1951 is 82,504 tons, a difference of 1,995 tons from the Quebec figure.

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons—2000 lbs.

Production for August 1951 7,103.44 tons

Valued at £516,258

Production for August 1950 6,526.09 tons

Valued at £399,296

Africa (Swaziland)

Production for November 1951 3,500 tons

Union of South Africa

(Quarterly Information Report—Dept. of Mines.)

Tons — 2000 lbs. 2nd Quarter (April, May and June 1951)

| | Production | | Local Sales | | Exports | |
|----------------------|------------|-------|-------------|--------|------------|-------|
| | Tons | Value | Tons | Value | Tons | Value |
| Amosite | 13,924 | 1,244 | £25,358 | 10,448 | £ 384,830 | |
| Anthophyllite | | | | | | |
| Chrysotile | 4,467 | 594 | 25,036 | 3,004 | 244,533 | |
| Cape Blue | 5,159 | 489 | 25,517 | 3,998 | 284,301 | |
| Transvaal Blue | 3,407 | 229 | 14,044 | 2,244 | 143,776 | |
| Total | 26,957 | 2,556 | £89,955 | 19,694 | £1,057,440 | |

ASBESTOS FIBRES

Frank G. Ruggles Co., Inc.

50 CHURCH STREET

NEW YORK 7, NEW YORK

Carey **ASBESTOS**

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Asbestos Shingles and Siding
Asbestos Wallboard

THE PHILIP CAREY MANUFACTURING CO.
CINCINNATI 15, OHIO

In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.



IMPORTS AND EXPORTS



Imports of Asbestos by United Kingdom

Raw Material

| | October 1951 Tons (2240 lbs.) |
|--|----------------------------------|
| From Union of South Africa | 1,316 |
| Southern Rhodesia | 2,309 |
| Bechuanaland, Basutoland & Swaziland | 168 |
| Canada | 6,682 |
| Other Commonwealth Countries and the Irish Republic | 459 |
| Foreign Countries | 3 |
| | <hr/> 10,937 |

Of this 10,937 tons, 10,037 were chrysotile, and 900 tons other varieties. These figures were supplied by the Mining Journal Limited of London.

Imports into U. S. A.

(Figures by Bureau of Census)

| | September 1951 Tons (2240 lbs.) |
|-----------------------|------------------------------------|
| From Canada | 52,528 |
| Mozambique | 153 |
| S. Rhodesia | 1,380 |
| S. B. Africa | 442 |
| U. of S. Africa | 918 |
| Other Countries | 62 |
| | <hr/> 55,628 |
| Valued at | \$4,811,300 |

By Grades:

| | |
|---|--------------|
| Crude No. 1, Chrysotile, S. Rhodesia | 54 |
| Crude No. 2, Chrysotile, S. Rhodesia | 80 |
| Crude No. 2, Chrysotile, Other Countries | 5 |
| Crude, Other, Chrysotile, S. Rhodesia | 1,246 |
| Crude, Other, Chrysotile, So. B. Africa | 422 |
| Crude, Other, Chrysotile, Other Countries | 52 |
| Crude, Blue, U. of S. Africa | 41 |
| Crude, Blue, Other Countries | 5 |
| Crude, Amosite, U.S.S.R. | 165 |
| Crude, Amosite, Mozambique | 153 |
| Crude, Amosite, U. of S. Africa | 877 |
| Textile Fibres, Chrysotile, Canada | 1,510 |
| Shingle Fibres, Chrysotile, Canada | 7,171 |
| Paper Fibres, Chrysotile, Canada | 7,523 |
| Other Fibres, Chrysotile, Canada | 36,324 |
| | <hr/> 55,628 |

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BOSTON: 57 Bequest St., North Cambridge 00
CHARLOTTE, N. C.: 509 S. Cedar St.
CHICAGO 16: 2601 Cottage Grove Avenue
CINCINNATI 2: 427 West 4th Street
DALLAS 1: 601 Second Avenue

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HOUSTON 1: Commerce and Palmer Streets
INDIANAPOLIS: 15 E. Washington Street
JACKSONVILLE 4, FLA.: 800 E. Bay Street
KANSAS CITY 7, MO.: 1401 St. Louis Avenue
LOS ANGELES (Maywood): 6116 Waller Ave.

NEW ORLEANS 14: 315-35 N. Front Street
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35 Beith Avenue, Toronto

Write us for name of our nearest representative if there is no Mundet office in your city.

Manufactured Asbestos Goods:

| | September 1951 | |
|--|-----------------|-----------------|
| | Quantity (lbs.) | Value |
| Asbestos Yarn | | |
| Canada | 26,673 | \$ 19,929 |
| United Kingdom | 35,734 | 26,341 |
| Asbestos Packing—Fabric | 496 | 411 |
| Asbestos Packing—Not Fabric | 4,673 | 580 |
| Asbestos Woven Fabric— | | |
| Canada | 44,152 | 34,451 |
| Other Countries | 5,179 | 3,096 |
| Asbestos Brake Lining (Mld.) | 7,864 | 2,396 |
| Asbestos Cement Products (Not Impreg.) | | |
| Canada | 492,237 | 26,949 |
| Mexico | 221,376 | 14,216 |
| Italy | 325,315 | 14,448 |
| Asbestos Cement Products (Impreg.) | 2,654 | 363 |
| Asbestos Shingles (Not Impreg.) | 42,016 | 3,181 |
| Asbestos Shingles (Impreg.) | 30 | 5 |
| Asbestos Manufactures—Others | | 158 |
| | <hr/> 1,208,399 | <hr/> \$146,524 |

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

| | September 1951 | |
|-----------------------|------------------|-----------------|
| | Tons (2240 lbs.) | Value |
| To Europe | 581 | \$139,754 |
| South America | 454 | 134,391 |
| Other Countries | 231 | 51,913 |
| | <hr/> 1,266 | <hr/> \$326,058 |

Manufactured Asbestos Goods:

| | | September 1951 | |
|---------------------------------------|----------|----------------|-------------------|
| | | Quantity | Value |
| Asbestos Pipe Covg. & Cement | Lbs. | 340,614 | \$ 36,793 |
| Asbestos Textiles & Yarn | Lbs. | 26,597 | 37,943 |
| Asbestos Packing | Lbs. | 143,012 | 169,840 |
| Asbestos Bk. Lng. (Mld.&S.Mld.) | Lbs. | 589,890 | 517,735 |
| Asbestos Bk. Lng. (Woven) | Lin. ft. | 81,314 | 55,210 |
| Asbestos Clutch Facings | No. | 107,400 | 73,158 |
| Asbestos Brake Blocks | Lbs. | 49,710 | 50,875 |
| Asbestos Construction Materials | Lbs. | 3,293,506 | 245,267 |
| Asbestos Manufactures—Other | | | 40,009 |
| | | | <hr/> \$1,226,830 |

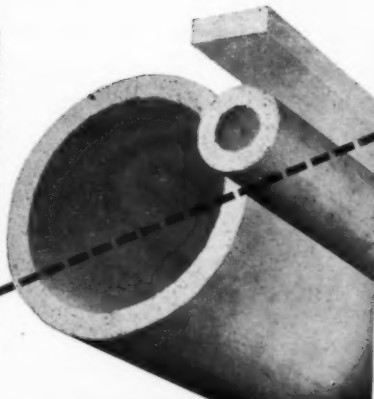
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475 Brannan Street, San Francisco 19, California
Engineering Service Units In Principal Cities

AUSTRALIA - STATISTICS

(Published by Bureau of Mineral Resources, Geology and Geophysics,
Ministry of National Development)

Tons 2240 lbs.

Quarter ending Mar. 31, 1951

PRODUCTION

| | |
|-------------------|----------|
| Chrysotile | 177 tons |
| Crocidolite | 165 tons |
| | <hr/> |
| | 342 tons |

IMPORTS

| | |
|-------------------|------------|
| Chrysotile | 2,360 tons |
| Crocidolite ..... | ..... |
| Amosite | 2,434 tons |
| Other | 1,021 tons |
| | <hr/> |
| | 5,815 tons |

EXPORTS

| | |
|-----------------------|----------|
| U. S. A. | 91 tons |
| Other countries | 31 tons |
| | <hr/> |
| | 122 tons |

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Norbestos (via Warwick)
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70 Pine Street

New York 5, New York

**One of the NICOLET Industries*

EXPORTS FROM CANADA

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

September 1951

| <i>Crude</i> | Tons (2000 lbs.) | Value |
|--|------------------|-------------------|
| United States | 5 | \$ 5,346 |
| United Kingdom | 50 | 60,000 |
| South America ..... | ..... | ..... |
| Central America & Mexico ..... | ..... | ..... |
| European Countries ..... | ..... | ..... |
| Other Countries ..... | ..... | ..... |
| | <hr/> 55 | <hr/> \$ 65,346 |
| <i>Milled</i> | | |
| United States | 16,072 | 2,242,154 |
| United Kingdom | 2,799 | 431,390 |
| South America | 1,255 | 212,836 |
| Central America & Mexico | 535 | 74,636 |
| European Countries | 4,469 | 723,963 |
| Other Countries | 526 | 70,120 |
| | <hr/> 25,656 | <hr/> \$3,755,099 |
| <i>Shorts</i> | | |
| United States | 43,016 | 2,054,318 |
| United Kingdom | 3,500 | 153,388 |
| South America | 465 | 35,397 |
| Central America & Mexico | 90 | 5,201 |
| European Countries | 7,220 | 495,916 |
| Other Countries | 217 | 17,121 |
| | <hr/> 54,508 | <hr/> \$2,761,341 |
| <i>Grand Total—Unmanufactured Asbestos</i> | 80,219 | \$6,581,786 |
| <i>Manufactured Asbestos Goods:</i> | | |
| Brake Lining | | \$ 54,566 |
| Packing | | 882 |
| Other Materials | | 95,634 |
| | | <hr/> \$ 151,082 |

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| ROVINGS | POWDER | CLOTHS |
| PROCESSED FIBRES | | |
| Unexcelled for use in | | |
| ASBESTOS CEMENT PIPES | | |

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NEWS OF THE INDUSTRY

BIRTHDAYS

- F. J. Quinn, 2nd Vice President, Smith Asbestos Products, Inc., Millington, N. J., January 16.
- A. F. Heinsohn, Vice President, General Asbestos & Rubber Division, Raybestos-Manhattan, Inc., N. Charleston, S. C., January 17.
- A. F. Matheis, Asst. Vice President, Thermoid Company, Trenton, N. J., January 17.
- Stanley Woodward, Vice President, The Ruberoid Company, New York City, January 17.
- Sydney L. Miller, Secretary, Asbestos Products Mfg. Corp., Newark, N. J., January 18.
- Harry M. Shackelford, Vice President, Charge of Sales Promotion, Johns-Manville Corp., New York City, January 18.
- E. C. Nankervis, President, Magnesia-Asbestos Insulation Co., New York City, January 19.
- R. W. Bair, District Manager, Armstrong Cork Co., Philadelphia, Pa., January 23.
- L. Diener, President, Smith & Kanzler Corporation, Linden, N. J., January 23.
- F. H. Neher, Vice President & Director, The Flintkote Company, New York City, January 27.
- James H. Watters, Chairman, Union Asbestos & Rubber Company, Chicago, Ill., January 30.
- Lt. Col. J. G. Ross, Director, Asbestos Corporation Limited, Thetford Mines, Canada, February 1.
- Alden A. Lofquist, President, Norristown Magnesia & Asbestos Company, Norristown, Pa., February 3.
- Arthur I. Rank, Universal Insulation Co., Philadelphia, Pa., February 5.
- Edward F. Rines, Secy. & Asst. Treasurer, Acme Asbestos Covering & Flooring Company, Chicago, Ill., February 5.
- Richard Matthews, Manager, Insulation Dept., Warren & Bailey Co., Los Angeles, California, February 6.
- George V. Parker, Chairman, Cellactite & British Uralite Ltd., Higham, Rochester, Kent, England, February 8.
- R. H. Dent, Secretary, The Cape Asbestos Company, London, England, February 9.
- Wm. A. Bartelt, President, Bartelt Asbestos & Cork Inc., Appleton, Wis., February 10.
- Raymond P. Townsend, Vice President, Johns-Manville Corp., New York City, February 10.
- H. A. Hirschfeld, President, Standard Asbestos Co., Inc., New York City, February 11.

SMITH & KANZLER CO.

Manufacturers of
ASBESTOS PAPER

Pipe Covering & Blocks

Air Cell

Wool Felt

Anti Sweat

Anti Freeze

Sponge Felt

Multi Ply

Established 1920

East Linden Ave., Linden, N. J.

Herbert L. Levine, President, Asbestos Products Mfg. Company, Newark, N. J., February 13.

Robert Walker, Chairman, The Cape Asbestos Co., London, England, February 13.

To all these gentlemen we extend best wishes and congratulations on the occasion of their birthdays.

HARRY A. KIESELBACH

Consultant to M.I.M.A.



H. A. Kieselbach

Montclair, N. J. The Association's office is in Washington, D. C., where Marshall F. Allen is Manager.

Under Mr. Kieselbach's guidance it is expected that the Association's technical activities will be expanded with current emphasis being given to developments affecting the defense program.

BIRD & SON

Loses Two Top Officials

Within the space of three days, Bird & Son, Inc., East Walpole, Mass., lost by death two members of its top management. *Benjamin D. Rogers*, formerly director of personnel and a director of the company and since retirement consultant in the Personnel Department, died suddenly of a heart attack on December 27. On December 30, *Creighton Hill*, who had succeeded Mr. Rogers in 1949, died suddenly of a cerebral hemorrhage.

Mr. Rogers would have observed his 45th anniversary with Bird & Son in January 1952.

Mr. Hill, late director of personnel, had been with Bird & Son since 1944, when he came as assistant to the president from his post as director of the Washington bureau of the Babson organization.

On joining Bird & Son, Mr. Hill handled public and labor relations. In January 1949, he was named director of personnel on Mr. Rogers' retirement and in March, a director of the company.

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CHRYSOTILE

AMOSITE

CAPE BLUE

BLENDS

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**O. C. SMITH, BELL ASBESTOS MINES
LTD. PRESIDENT, DIES AT THETFORD**

The Asbestos Industry has lost one of its leaders and pioneers in the sudden passing of O. C. (Lannie) Smith, on December 16th in his 61st year.

Mr. Smith was born at Buckingham, Quebec, on July 7th, 1891, was educated at Westmount Academy and Bishop's College School, Lennoxville. He moved with his parents to Thetford Mines early in the century. He joined the Bell Asbestos Mines, Ltd., in 1912 and succeeded his father, the late Honorable George R. Smith, as mine manager in 1922. On reorganization of the company several years ago, Mr. Smith became President and held that office up to the time of his passing.

"Lannie" Smith will be sincerely mourned and missed not only by his immediate family, but by all who knew him and who had any personal or business relations with him. Thru all his life he was motivated by a spirit of justness and fairness in all his dealings.

One of his main interests was in the field of labor relations. While his duties and actions were designed to protect his company's interests, he was always thinking of the welfare and well-being of the company's staff and employees, and during his management of the Bell Asbestos Mines, Ltd., for over a period of twenty-nine years there is no record of a strike or any serious labor dispute originating in his company.

He was a past president of the Quebec Asbestos Mining Association and up to the end was active on its important committees. He was a member of St. George's Club, Sherbrooke, a governor of the Sherbrooke Hospital, past president and one of the founders of the Thetford Branch of Rotary and one of the founders of the Thetford Golf and Curling Club and very prominent in its activities.

KEASBEY & MATTISON COMPANY APPOINTMENTS

L. F. Mettetal was appointed Secretary of the Company upon retirement of F. W. Cocker on September 30, 1951. Mr. Mettetal became associated with the Company in 1935 and served in various capacities in the Accounting Department until 1945 when he was appointed Assistant Secretary.

Walter M. Deckman was appointed Sales Manager of the New York District effective September 1, 1951. Mr. Deckman became a sales representative for the Company in 1929 and in the intervening year has served in both the New York and Cleveland Districts.

ISRAEL ASBESTOS-CEMENT INDUSTRIES LTD.

We are informed that leading European asbestos cement manufacturers have acquired an interest in the Israel asbestos cement industry sponsored by the Israel-Miami Group represented by X. Federmann of Haifa.

This enterprise which henceforth will be known as Israel Asbestos-Cement Industries Limited, has been considerably

strengthened by the new set-up, both financially and technically. The connection with old-established asbestos cement manufacturers should help solve the problem of obtaining suitable supplies of asbestos.

We understand that I.A.C.I. contemplates increasing the originally planned output of the factory by installing a second Mazza pressure pipe making machine, so as to bring the total estimated yearly output to about 50,000 tons of soil pipe and pressure pipe.

U. S. BUREAU OF STANDARDS

Booklet on Asbestos Cement Siding

The U. S. Bureau of Standards issued under date of July 6, 1951, Building and Materials Structures Report 122, "Physical Properties of Some Samples of Asbestos-Cement Siding", the author of which is Cyrus C. Fishburn. This booklet may be obtained from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., for 15c.

U. S. TARIFF COMMISSION

Booklet on Asbestos

The U. S. Tariff Commission has issued its Industrial Materials Series Report No. M-3, "Asbestos, A Summary of Information on Uses, Production, Trade and Supply", prepared by Reigart M. Santmyers, and Ernest Wolff, and other members of the Tariff Commission staff.

NOVAS INDUSTRIAS DE MATERIAIS DE CONSTRUCAO, L.da

Catalog of Asbestos Cement Products

Catalog showing the Asbestos Cement specialties made by Novas Industrias de Materiais de Construc o, L.da, s. Mamede de Infesta, Porto (Portugal), has been received and will be added to our Asbestos advertising books, pamphlets and catalogs.

CARLTON H. GILBERT MADE ADVERTISING MANAGER

of United States Rubber Company

Carlton H. Gilbert has been appointed to the newly created position of advertising manager of the United States Rubber Company. Mr. Gilbert has had 24 years experience in advertising, starting with J. C. Bull, Inc., New York advertising agency in 1927 and joining the United States Rubber Company in 1934 in the sales promotion department of their footwear division.

ASBESTOS TEXTILE INSTITUTE

BROADENS ACTIVITIES

The Asbestos Textile Institute held its fourth quarterly meeting at Philadelphia on December 6, 1951. During the course of this meeting President R. E. Cryor announced that, because of increased activities of the Institute a number of spinners and weavers of asbestos textiles in foreign countries have sought membership in the organization and several companies engaged in mining asbestos have also evidenced interest in the work of the Institute. In view of these expressions of interest, the Constitution of the Institute has been amended so that foreign

asbestos textile manufacturers and fibre producers can now participate in the Institute's work as Associate Members.

Mr. Cryor expressed the hope that thru this broadening of the membership interest and an International exchange of ideas, many of the Institute research, technical, and sales promotional activities would receive further impetus and stimulation, enabling the Institute to provide even broader service to the Asbestos Textile Industry in the future.

OWENS MADE MANAGER

Carey Plymouth Meeting Plant



W. H. Owens

W. H. Owens has been appointed Division Manufacturing Manager of the Plymouth Meeting Plant of the Philip Carey Mfg. Co.

Mr. Owens, who replaces S. A. Abrahams, has a broad engineering and manufacturing background. He had a major part in the design of the new Carey Super-Light Plant and was closely associated with the improvements of their Filter Mold Plant.

In his new position Mr. Owens will guide the manufacturing and processing of the Carey Insulation and Chemical Division. He resides with his wife, a son and a daughter in Norristown, Pa.

RUDOLF WILD

Asbestos Pioneer Dies

Just as we go to press we learn of the death on December 30th of an Asbestos Pioneer, *Rudolf Wild*. A short biography will be given in our February number.

VAN-PACKER MINES OF CANADA LIMITED

Van Packer Mines of Canada Limited was formed the latter part of 1951 to consummate an option to purchase the assets of Teegana Mines Limited including their option on five claims in Deloro Township, Ontario. They are doing general development work on the grounds, such as diamond drilling, trenching and stripping which indicates a fair supply of good fibre. They are also running a number of experiments in connection with the milling of the fibre and as soon as these are completed intend to install machinery and go ahead in full operation. They expect to handle about 300 tons of asbestos ore a day. The fibre will be used to supply the needs of Van Packer Corporation in the manufacture of asbestos board which will be subsequently molded into a prefabricated chimney pipe.

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Importers, Exporters, Processors of
Asbestos Fibres of All Varieties

of

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BUILDING

With still one more month's construction contract awards to be tallied, the year 1951 has topped the previous record 12-month total set in 1950 by nearly \$16 million according to F. W. Dodge Corporation figures for the 37 states east of the Rockies.

The first eleven months of the current year had awards reaching \$14,516,792,000. The entire year of 1950 totaled \$14,501,055,000. This huge total for 1951 thru November has already exceeded 1950's yearly figure by less than 1 per cent.

During November itself, awards totaled \$931,768,000.

SALL MOUNTAIN'S CLEVER CHRISTMAS CARD

All the Christmas cards from our many friends in the Industry were much appreciated but one which appealed to us most came from Grant V. Wilson, President of Sall Mountain Company. It depicts a little girl (Mr. Wilson's daughter incidentally) lying on a rug in front of their fireplace, writing a letter to Santa, on *Asbestos paper*. Her message to Santa says: "I guess you didn't get the letter I sent up to the chimney to you last year, so this time I am writing on Asbestos."

The whole card is most cleverly done.

AUTOMOBILE SALES

| | November 1951 |
|----------------------|---------------|
| Passenger Cars | 356,788 |
| Motor Trucks | 93,179 |
| Motor Coaches | 833 |
| | <hr/> |
| | 450,800 |

In November 1950 a total of 603,569 motor vehicles were sold. In the eleven months of 1951 the total was 6,385,133.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

The plants manufacturing asbestos in more than 10 European countries await your offer thru the special periodical
Rubber and Asbestos

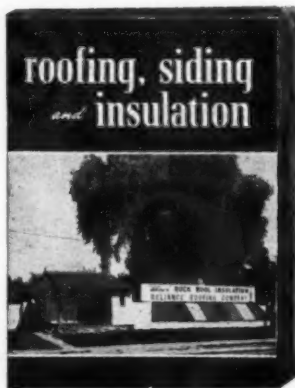
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New York 19, N. Y.

ASBESTOS VERSUS WOOD BARK-

Their Values As Fillers

Editor's Note: This article was written by members of the staff of The Asbestos Fibre Division, Canadian Johns-Manville Co., Limited at Montreal and will be found of much interest to our readers. It tells why one of the so-called *substitutes* for asbestos does not efficiently perform the work required of it.

The demand for fibrous fillers by industry has grown rapidly over the last 10 years. The need for a reinforcing filler in floor tile, plastics, asphalt roofing compounds and a growing number of products is appreciated by industrial chemists.

Asbestos fibre has been found to contain a combination of qualities that make it ideal for the purpose. It is *both a fibre and a mineral*, imparting both strength and weather resistance.

Recently wood bark derivatives from Douglas firs and other organic fillers have been advocated as substitutes for asbestos fibres.

A review of the major uses has been made to present a *comparison* of their respective values.

Asphalt Compounds

A satisfactory filler in asphalt roof coatings has the following functions.

1. It acts as a thickening or bulking agent, to provide heavy, creamy coatings of appreciable film thickness while still retaining good "brushability".
2. It acts as a fibrous reinforcing which will not decay or weather away, which binds or ties the film together to form a tough homogeneous crack-resisting protective coating.
3. It acts as a weatherproof, inorganic shield which protects the asphalt against light catalyzed oxidation.

With respect to No. 1, the shorter the fibre, the less solvent would be required to maintain a given consistency, provided the quantity of fibre was constant. Bark products being less fibrous are less effective in thickening an asphalt

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Crocidolite
Amosite
Montanosite Type**

Cables: "AFREPS" Johannesburg

AFREPS

**Distributing Corporation (Pty) Ltd.
P. O. Box 6348, Johannesburg**

cutback and act like a granular filler. The consistency is obtained by a greater amount of asphalt, an undesirable method.

A thick product obtained by high asphalt, low solvent, and an ineffectual fibre, would be viscous, stringy, hard to apply, and would pull threads when the brush left the work.

On the other hand, a properly designed coating using a highly effective asbestos fibre as the thickening agent would be short and creamy, but not sticky, easier to apply, and with a better film thickness without danger of running.

With respect to No. 2, organic fibres weather away as do other organic materials. Such fibres lose strength with time and after relatively few years lose structural reinforcing properties. Organic fibres tend to absorb moisture, and as the cellulose hydrates the film swells and ruptures.

Asbestos fibre loses no strength with age and undergoes no dimensional change on contact with water.

With respect to No. 3, bark fibres will not prevent the sun's rays from reaching and weathering the asphalt whereas asbestos, being an opaque, inert mineral which is not af-

(Continued on Page 48)

The original MAZZA machines bearing the name of the inventor, embodying all the latest technical improvements reached in the field of asbestos-cement production and manufactured by the most modernly equipped European Works, are supplied through

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fects, protects the underlying asphalt, shielding it from light and weather.

The high lignin content of bark fibres, a poor weathering resin, is soluble in both water and asphalt. The water soluble part would wash away leaving the cellulosic fibres exposed to rapid weathering. The portion soluble in asphalt could seriously reduce the weathering life of the asphalt.

Floor Tiles

The major properties required in a fibrous filler for floor tile are:

- a. Fibrous structure to provide reinforcing for strength, toughness, and pliability.
- b. The fibre material should be unaffected by water, alkalis, bacteria, or age.
- c. It should be of light color, and neutral shade.
- d. It should not be subject to damage or color change by the heat of processing.

Asbestos, a strong mineral fibre, meets all of these requirements.

Wood bark, being more granular than fibrous, lacks reinforcing properties. Being organic, it is affected by water, heat, light, and bacteria, and therefore subject to rapid weathering. Some of its constituents are saponifiable, and affected by alkalis in cleaning compounds and concrete leachings.

Bark products are generally dark colored, necessitating the use of excessive amounts of expensive pigments.

The heat of processing would affect the bark fillers, altering its color and physical characteristics.

Plastic

Chemists consulted on the comparable use of asbestos fibre and Douglas fir bark in plastic molding report that the use of bark as a filler develops greater molded shrinkage, poorer surface finish, and softer moldings. Lower heat resistance, higher water absorption, and poorer dielectric strength are experienced when using the bark filler, which ignites at 430°F and loses up to 46% of its weight at 400°F.

... —

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|---|-------|--|------------|
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| Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry) | | 485.00 to | 900.00 |
| Group No. 3 (Spinning Fibre) | | 275.00 to | 450.00 |
| Group No. 4 (Shingle Fibre) | ..... | 135.00 to | 151.00 |
| Group No. 5 (Paper Fibre) | ..... | 95.00 to | 119.00 |
| Group No. 6 (Waste, Stucco or Plaster) | ..... | ..... | 70.00 |
| Group No. 7 (Refuse or Shorts) | ..... | 32.00 to | 63.00 |
| Vermont— | | Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville Vt. | |
| Group No. 3 (Spinning & Filtering) | ..... | \$279.50 to | \$302.00 |
| Group No. 4 (Shingle Fibre) | ..... | 135.00 to | 162.00 |
| Group No. 5 (Paper Fibre) | ..... | 81.50 to | 115.00 |
| Group No. 6 (Waste, Stucco or Plaster) | ..... | ..... | 71.40 |
| Group No. 7 (Refuse or Shorts) | ..... | 34.00 to | 63.00 |

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the commercial & Financial Chronicle. No guarantee as to their correctness)

| | Par | December 1951 | | |
|-------------------------|-----|---------------|--------|--------|
| | | Low | High | Last |
| Amer. Br. Shoe (Com) | np | 38¼ | 42½ | 39½ |
| Amer. Br. Shoe (Pfd) | 100 | 102¾ | 107 | 104½ |
| Armst. Ck. (Com) | np | 51¼ | 56½ | 56½ |
| Armst. Ck. (Pfd) | np | 51¼ | 56½ | 56½ |
| Armst. Ck. (Conv. Pfd.) | np | 114¾ | 115 | 114¾ |
| Asb. Corp. (Com) | np | 21¾ | 22 | 22 |
| Asb. Mfg. Co. (Com) | 1 | 1¼ | 1¾ | 1¾ |
| Carey (Com) | 10 | 17¼ | 18¾ | 17¼ |
| Celotex (Com) | np | 17¼ | 19 | 19 |
| Celotex (Pfd) | 20 | 16½ | 16¾ | 16¾ |
| Certainteed (Com) | 1 | 15 | 16½ | 15½ |
| Flintkote (Com) | np | 29¼ | 31½ | 30¾ |
| Flintkote (Pfd) | np | 92 | 99 | 99 |
| Johns-Manville (Com) | np | 65¼ | 67¾ | 67¾ |
| Pabco Products (Com) | np | 16½ | 17½ | 17½ |
| Pabco Products (Pfd) | 100 | 95 | 96½ | 96½ |
| Ray-Man (Com) | np | 41½ | 45¼ | 43¾ |
| Ruberoid (Com) | np | 54 | 61 | 54 |
| Thermoid (Com) | 1 | 10¾ | 11½ | 11½ |
| Thermoid (Pfd) | 50 | 45 | 46½ | 46½ |
| Union Asb. & Rub. (Com) | 5 | 12¾ | 13¾ | 13 |
| United Asb. (Com) | 1 | \$2.63 | \$3.10 | \$3.10 |
| U. S. Gypsum (Com) | 20 | 108¼ | 113 | 109¼ |
| U. S. Gypsum (Pfd) | 100 | 164½ | 171 | 168 |
| U. S. Rubber (Com) | 10 | 65¾ | 78¼ | 78¼ |
| U. S. Rubber (Pfd) | 100 | 135½ | 139¼ | 139¼ |

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ASBESTOS FIBRES

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BOOK LIST

The Asbestos Factbook, 16 pages: Information in compact form on origin, facts, locations, uses of analyses, qualities. 10c per copy.

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy.

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textile for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each.

Brake Linings of Various Types. By R. T. Halstead. Reprint (12 pages) from August, September and October 1949 "ASBESTOS." Price 25c per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished products, in plain language, illustrated. 25c a copy.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. \$1.00 per set.

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ASBESTOS IN CALIFORNIA

The report below was obtained from Mineral Information Service, Division of Mines, Ferry Building, San Francisco 33, California, Olaf P. Jenkins, Chief.

Asbestos of two main varieties—chrysotile and amphibole—occurs in many counties in California. It has been produced intermittently in small quantities since 1882, but no consistent production has been maintained. Most asbestos deposits occur in massive serpentine which is widely distributed in the Coast Ranges, Klamath Mountains and foothills of the Sierra Nevada. In 1951 an occurrence of chrysotile asbestos was discovered in the Panamint Mountains, Inyo County, where it is in a contact zone between dolomite and a syenite intrusion.

U. S. Government exploration contracts were cleared and the Philip Carey Manufacturing Company has begun to core drill a chrysotile deposit near Washington, Nevada County and clearance for another deposit in southern Trinity County was obtained.

Numerous deposits of the tremolite and actinolite varieties of amphibole asbestos occur in California. These types have harsher, longer, and weaker fibres than those of chrysotile and cannot be spun. They are widely used for filtering acid solutions.

The only production of asbestos in California during 1951 was from the Stock mine in Shasta County, from which Powhatan Mining Company shipped 44 tons of tremolite asbestos. All was shipped east and at least some of it is being used as a filler in plastics. Some of this variety of asbestos is also being used in a new redwood fibreboard. Asbestos is also usable as a filler in paints, in asbestos-cement products, and in floor tile.

. . . —

A news clipping recently received is to the effect that Bou-Azzer Mining Company of Morocco, second biggest cobalt producer in the world, has signed an accord with the Marshall plan to sell most of its cobalt and asbestos output to the United States.

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AFTERTHOUGHTS

¶ One of our readers has a number of asbestos deposits for sale—some of these are amphibole and some chrysotile, mostly in Arizona or California. If interested, please write us for the name of the holder and further details.

¶ We regret that John W. Humphrey, President of the Philip Carey Manufacturing Company, could not send a Greeting to the Industry because of illness. Perhaps he will give us a guest editorial later.

¶ According to the Mining Journal, published in London, Southern Rhodesia's Asbestos Output is rapidly overtaking gold as its most profitable mineral.

¶ "ASBESTOS" seems to be appreciated by our foreign readers. During 1951 eight of our subscribers asked that we send their copies by air mail—some paying as high as \$18.00 a year for the extra postage cost. The subscribers were in Africa, South America, Germany and a few other places.

¶ I am glad that the eight-hour day had not been invented when I was a young man. I am wondering what would have happened to me by now, if fifty years ago some fluent talker had converted me to the theory of the eight-hour day, and convinced me that it was not fair to my fellow-workers to put forth my best efforts in my work. This country would not amount to as much as it does, if the young men fifty years ago had been afraid that they might earn more than they were paid—*Thomas A. Edison, on his 73rd birthday.*

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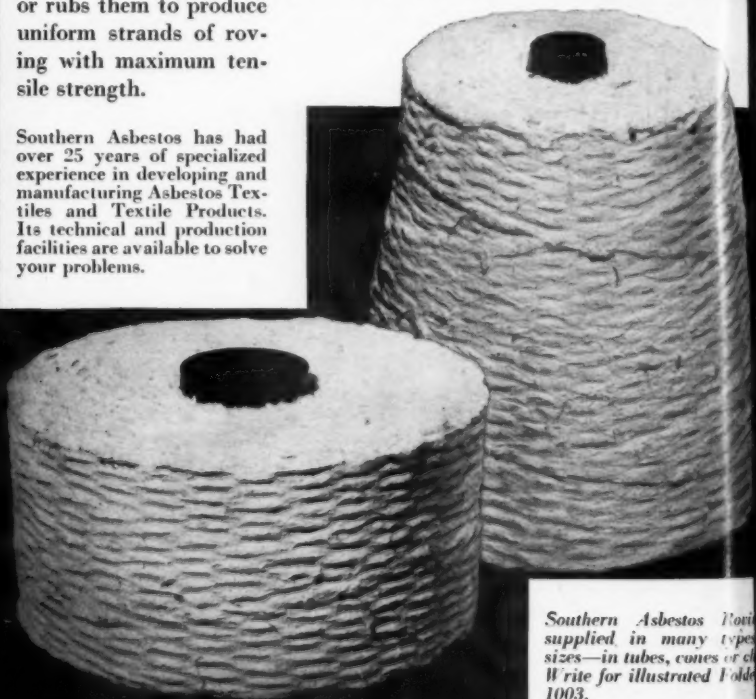
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